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Engineering of steroid biotransformation in rhodococcus

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List of publications

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1. **Van der Geize R., G.I. Hessels, R. van Gerwen, J.W. Vrijbloed, P. van der Meijden, and L. Dijkhuizen.** 2000. Targeted disruption of the *kstD* gene encoding a 3-ketosteroid Δ^1 -dehydrogenase isoenzyme of *Rhodococcus erythropolis* strain SQ1. *Appl. Environ. Microbiol.* **66**:2029-2036.
2. **Van der Geize R., G.I. Hessels, R. Van Gerwen, P. Van der Meijden, and L. Dijkhuizen.** 2001. Unmarked gene deletion mutagenesis of *kstD*, encoding 3-ketosteroid Δ^1 -dehydrogenase, in *Rhodococcus erythropolis* SQ1 using *sacB* as counter-selectable marker. *FEMS Microbiol. Lett.* **205**:197-202.
3. **Van der Geize R., G.I. Hessels, R. van Gerwen, P. van der Meijden, and L. Dijkhuizen.** 2002. Molecular and functional characterization of *kshA* and *kshB*, encoding two components of 3-ketosteroid 9 α -hydroxylase, a class IA monooxygenase, in *Rhodococcus erythropolis* SQ1. *Mol. Microbiol.* **45**:1007-1018.
4. **Van der Geize R., G.I. Hessels, and L. Dijkhuizen.** 2002. Molecular and functional characterization of the *kstD2* gene of *Rhodococcus erythropolis* SQ1 encoding a second 3-ketosteroid Δ^1 -dehydrogenase isoenzyme. *Microbiology* **148**:3285-3292.
5. **Van der Geize R., G.I. Hessels, L. Dijkhuizen.** 2001. Akzo Nobel N.V. 2001. Microbial 9 α -hydroxylation of steroids. Patent WO0131050.
6. **Van der Geize R., G.I. Hessels, L. Dijkhuizen** 2002. Akzo Nobel N.V. 2001. Microbial Δ^1 -dehydrogenation of steroids. Patent application.